

**WEST**

Generate Collection

Print

L4: Entry 1 of 2

File: JPAB

Jan 17, 1997

PUB-NO: JP409016122A  
DOCUMENT-IDENTIFIER: JP 09016122 A  
TITLE: IMAGE DISPLAY DEVICE AND ITS DRIVING METHOD

PUBN-DATE: January 17, 1997

## INVENTOR-INFORMATION:

NAME

COUNTRY

TAKAYAMA, ICHIRO

ARAI, MICHIO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

TDK CORP

SEMICONDUCTOR ENERGY LAB CO LTD

APPL-NO: JP07163176

APPL-DATE: June 29, 1995

INT-CL (IPC): G09 G 3/30; H05 B 33/08

## ABSTRACT:

PURPOSE: To obtain the brightness of a thin-film pixel element faithful to input video signals by specifying input voltage and the current flowing to a nonlinear element for controlling light emission to a primary proportional relation.

CONSTITUTION: This image display element has, in every one pixel, the thin-film pixel element, the nonlinear element for controlling the light emission of the thin-film pixel element, a capacitor for signal holding connected to the gate electrode of the nonlinear element, a nonlinear element for writing data to this capacitor, a second nonlinear element 2 having the characteristics similar to the characteristics of the nonlinear element for controlling light emission and a reference conversion section 1 for inputting the image signal VLo adjusted by referring to the output of the second nonlinear element 2 to the nonlinear element for controlling light emission.

COPYRIGHT: (C)1997,JPO